

## CPC

## COOPERATIVE PATENT CLASSIFICATION

## B41N

**PRINTING PLATES OR FOILS** (photosensitive material G03); **MATERIALS FOR SURFACES USED IN PRINTING MACHINES FOR PRINTING, INKING, DAMPING, OR THE LIKE; PREPARING SUCH SURFACES FOR USE AND CONSERVING THEM** { In this subclass the COPES System is used}

## B41N 1/00

**Printing plates or foils; Materials therefor**

## B41N 1/003

. {with ink abhesive means or abhesive forming means, such as abhesive siloxane or fluoro compounds, e.g. for dry lithographic printing}

## B41N 1/006

. {made entirely of inorganic materials other than natural stone or metals, e.g. ceramics, carbide materials, ferroelectric materials}

## B41N 1/02

. made of stone

## B41N 1/04

. metallic

## B41N 1/06

.. for relief printing or intaglio printing

## B41N 1/08

.. for lithographic printing {(B41N 1/003, B41N 3/03 take precedence; compositions of the image-forming layer B41C 1/10)}

## B41N 1/083

... {made of aluminium or aluminium alloys or having such surface layers (B41N 1/086 takes precedence)}

## B41N 1/086

... {laminated on a paper or plastic base}

## B41N 1/10

... multiple

## B41N 1/12

. non-metallic other than stone, {e.g. printing plates or foils comprising inorganic materials in an organic matrix (B41N 1/003, B41N 1/006 take precedence)}

## B41N 1/14

.. Lithographic printing foils {(B41N 1/003, B41N 3/03 take precedence; compositions of the image-forming layer B41C 1/10)}

## B41N 1/16

. Curved printing plates, especially cylinders {(B41N 1/003, B41N 1/006 take precedence)}

## B41N 1/18

.. made of stone

## B41N 1/20

.. made of metal {or similar inorganic compounds, e.g. plasma coated ceramics, carbides}

## B41N 1/22

.. made of other substances

## B41N 1/24

. Stencils; Stencil materials; Carriers therefor (stencilling apparatus for office or other commercial use B41L 13/00)

## B41N 1/241

.. {characterised by the adhesive means}

## B41N 1/242

.. {Backing sheets; Top sheets; Intercalated sheets, e.g. cushion sheets; Release layers or coatings; Means to obtain a contrasting image, e.g. with a carbon sheet or coating}

## B41N 1/243

.. {characterised by the ink pervious sheet, e.g. yoshino paper}

- B41N 1/245 . . {characterised by the thermo-perforable polymeric film heat absorbing means or release coating therefor}
- B41N 1/246 . . {characterised by the electroconductive means or additives}
- B41N 1/247 . . {Meshes, gauzes, woven or similar screen materials; Preparation thereof, e.g. by plasma treatment}
- B41N 1/248 . . {Mechanical details, e.g. fixation holes, reinforcement or guiding means; Perforation lines; Ink holding means; Visually or otherwise detectable marking means; Stencil units}
  
- B41N 3/00            Preparing for use and conserving printing surfaces**
  
- B41N 3/003 . . {of intaglio formes, e.g. application of a wear-resistant coating, such as chrome, on the already-engraved plate or cylinder; Preparing for reuse, e.g. removing of the Ballard shell; Correction of the engraving}
- B41N 3/006 . . {Cleaning, washing, rinsing or reclaiming of printing formes other than intaglio formes ([B41N 3/06](#) takes precedence)}
  
- B41N 3/03 . . Chemical or electrical pretreatment
- B41N 3/032 . . {Graining by laser, arc or plasma means}
- B41N 3/034 . . {characterised by the electrochemical treatment of the aluminum support, e.g. anodisation, electro-graining; Sealing of the anodised layer; Treatment of the anodic layer with inorganic compounds; Colouring of the anodic layer}
- B41N 3/036 . . {characterised by the presence of a polymeric hydrophilic coating}
- B41N 3/038 . . {Treatment with a chromium compound, a silicon compound, a phosphorus compound or a compound of a metal of group IVB; Hydrophilic coatings obtained by hydrolysis of organometallic compounds}
  
- B41N 3/04 . . Graining or abrasion by mechanical means ([chemical graining B41N 3/03](#))
- B41N 3/06 . . by use of detergents
- B41N 3/08 . . Damping; Neutralising or similar differentiation treatments for lithographic printing formes; { [Gumming or finishing solutions, fountain solutions, correction or deletion fluids, or on-press development \(treatment of materials containing silver salts G03F 7/06L; developers per se for processing photosensitive materials G03F 7/32\)](#) }
  
- B41N 6/00            Mounting boards; { Sleeves } Make-ready devices, e.g. underlays, overlays; Attaching by chemical means, e.g. vulcanising**
  
- B41N 6/02 . . Chemical means for fastening printing formes on mounting boards
  
- B41N 7/00            Shells for rollers of printing machines**
  
- B41N 7/005 . . {Coating of the composition; Moulding; Reclaiming; Finishing; Trimming}
- B41N 7/02 . . of leather
- B41N 7/04 . . for damping rollers

- B41N 7/06 . for inking rollers { [construction of inking rollers B41F 31/26](#)}
- B41N 10/00** **Blankets or like coverings; Coverings for wipers for intaglio printing (wipers for intaglio printing [B41F 9/08](#))**
- B41N 10/005 . {[Coverings for wipers](#)}
- B41N 10/02 . Blanket structure
- B41N 10/04 . . multi-layer
- B41N 10/06 . . facilitating fastening to, or location on, supports
- B41N 11/00** **Stereotype mats**
- B41N 99/00** **Subject matter not provided for in other groups of this subclass**
- B41N 2207/00** **Location or type of the layers in shells for rollers of printing machines**
- B41N 2207/02 . Top layers
- B41N 2207/04 . Intermediate layers
- B41N 2207/06 . Backcoats; Back layers; Bottom layers
- B41N 2207/10 . characterised by inorganic compounds, e.g. pigments
- B41N 2207/12 . characterised by non-macromolecular organic compounds
- B41N 2207/14 . characterised by macromolecular organic compounds
- B41N 2210/00** **Location or type of the layers in multi-layer blankets or like coverings**
- B41N 2210/02 . Top layers
- B41N 2210/04 . Intermediate layers
- B41N 2210/06 . Backcoats; Back layers; Bottom layers
- B41N 2210/10 . characterised by inorganic compounds, e.g. pigments
- B41N 2210/12 . characterised by non-macromolecular organic compounds
- B41N 2210/14 . characterised by macromolecular organic compounds